

FIG. 1

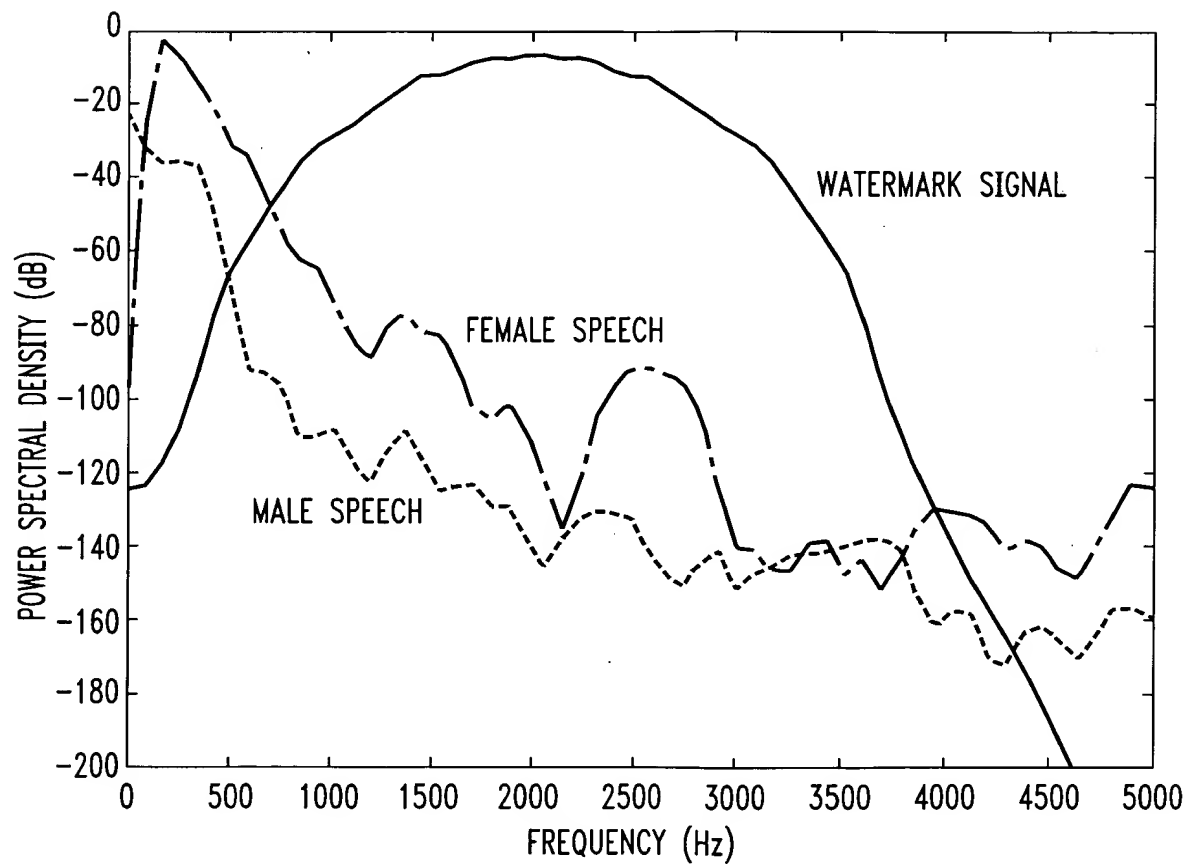


FIG. 2

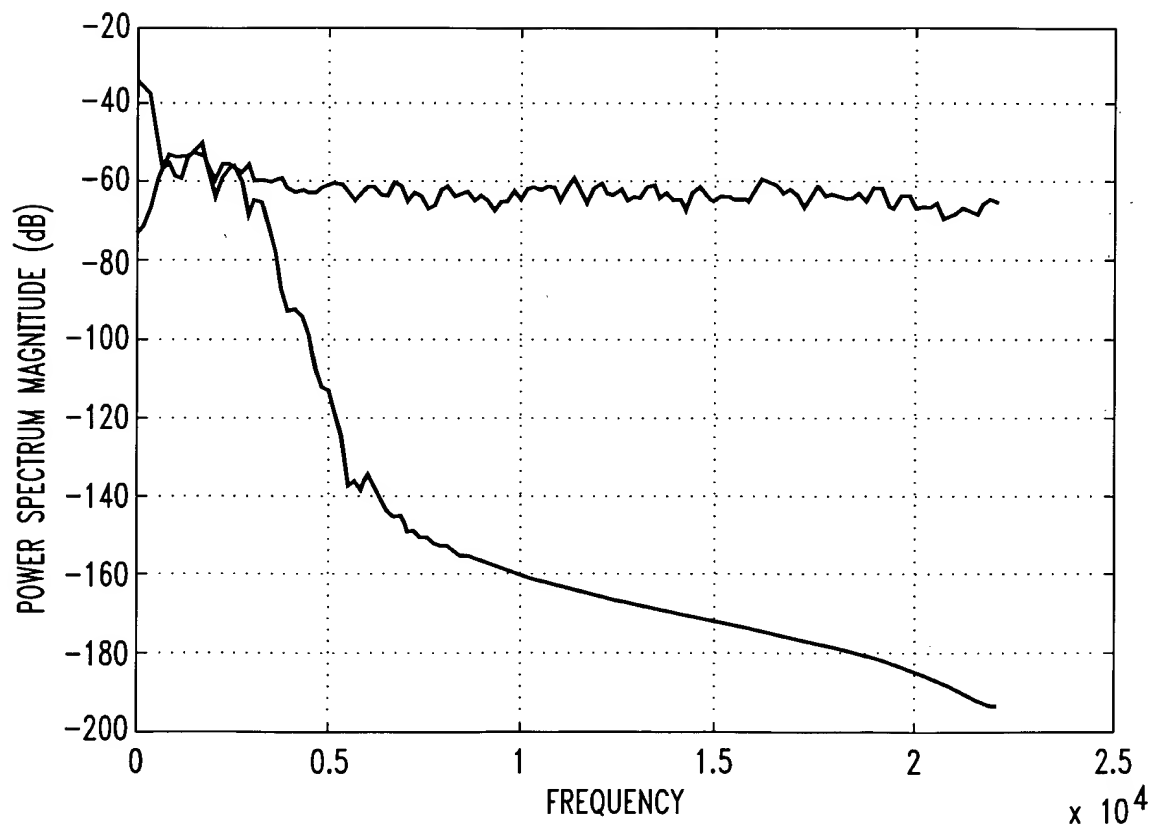


FIG. 3A

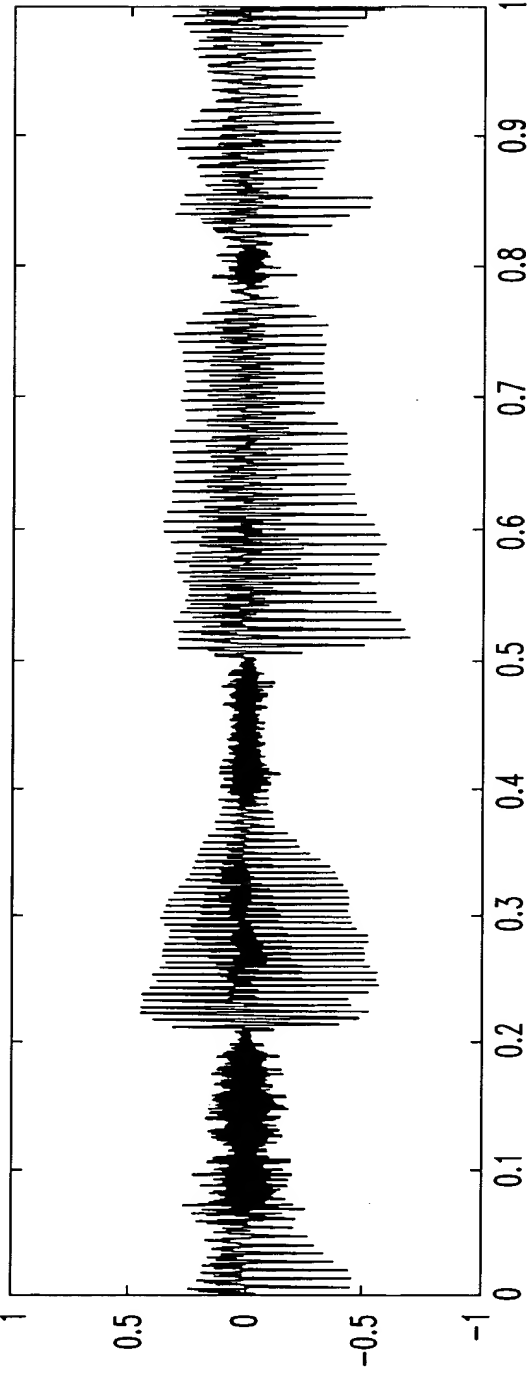


FIG. 3B

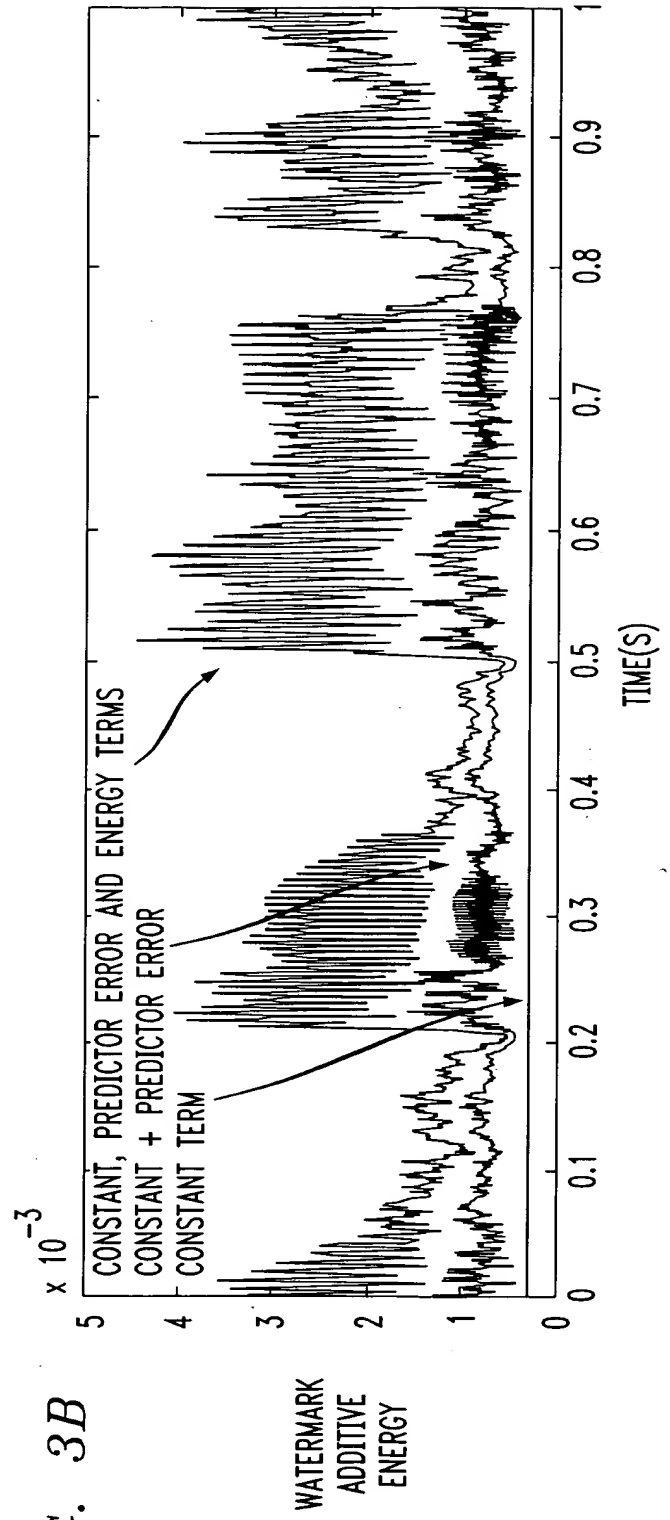


FIG. 4A

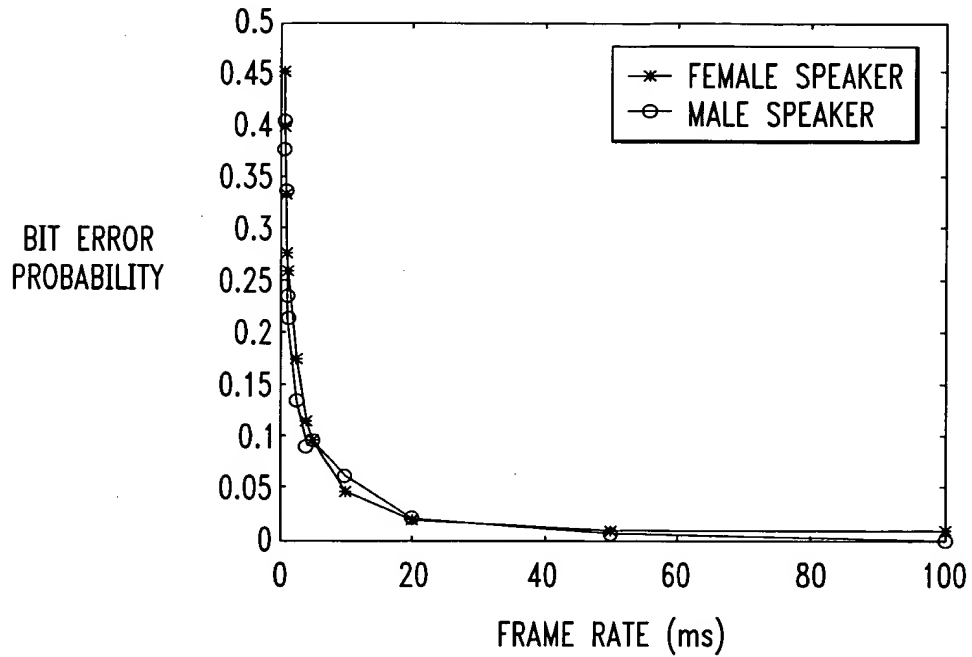


FIG. 4B

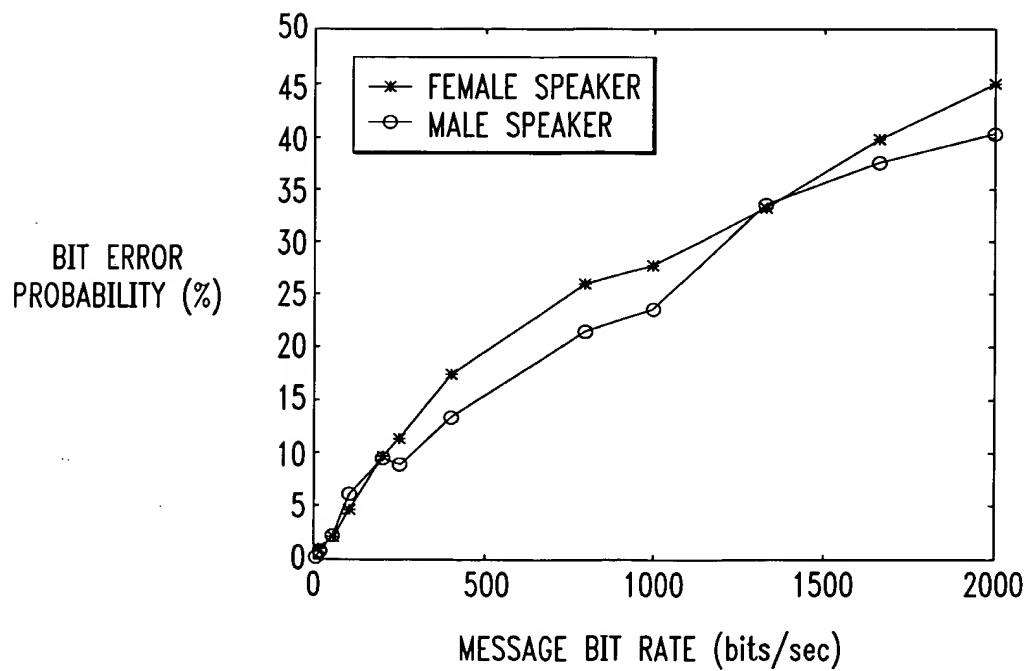


FIG. 5

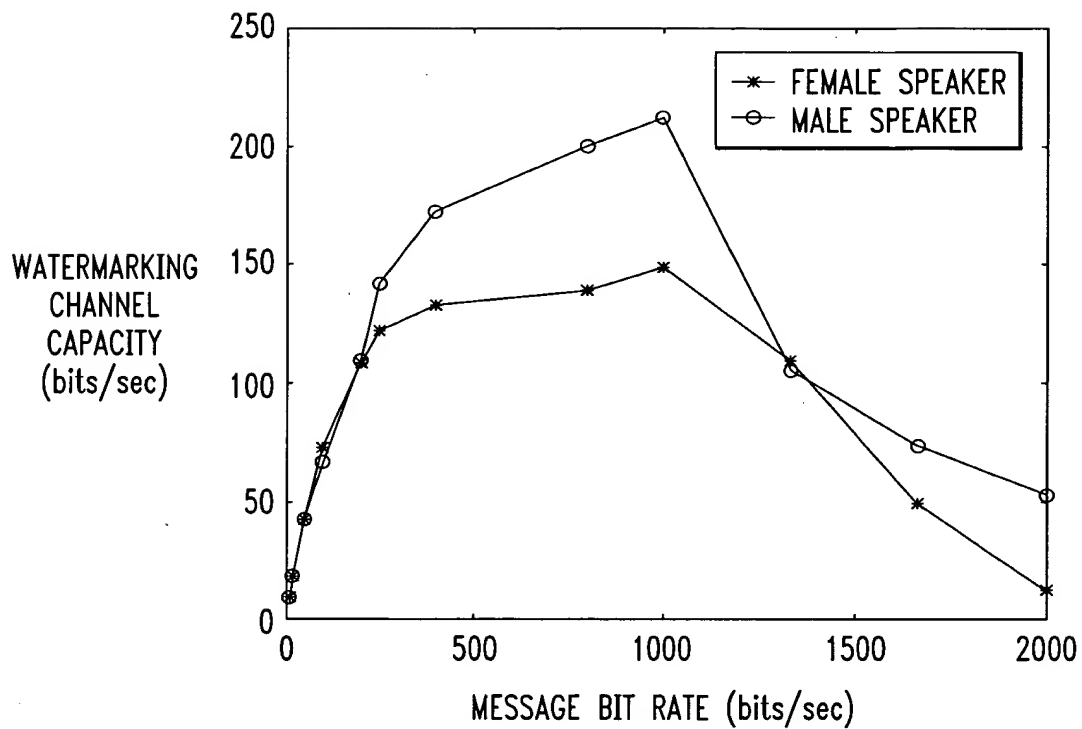


FIG. 6

COMPRESSION SCHEME	SPEECH BANDWIDTH	SPEECH BIT RATE	WATERMARK BIT RELIABILITY
16 BIT LINEAR PCM	22 kHz	706 kbps	74.05%
16 BIT LINEAR PCM	4 kHz	128 kbps	71.58%
IMA ADPCM	4 kHz	32 kbps	68.65%
GSM 6.10	4 kHz	13 kbps	61.23%

FIG. 7

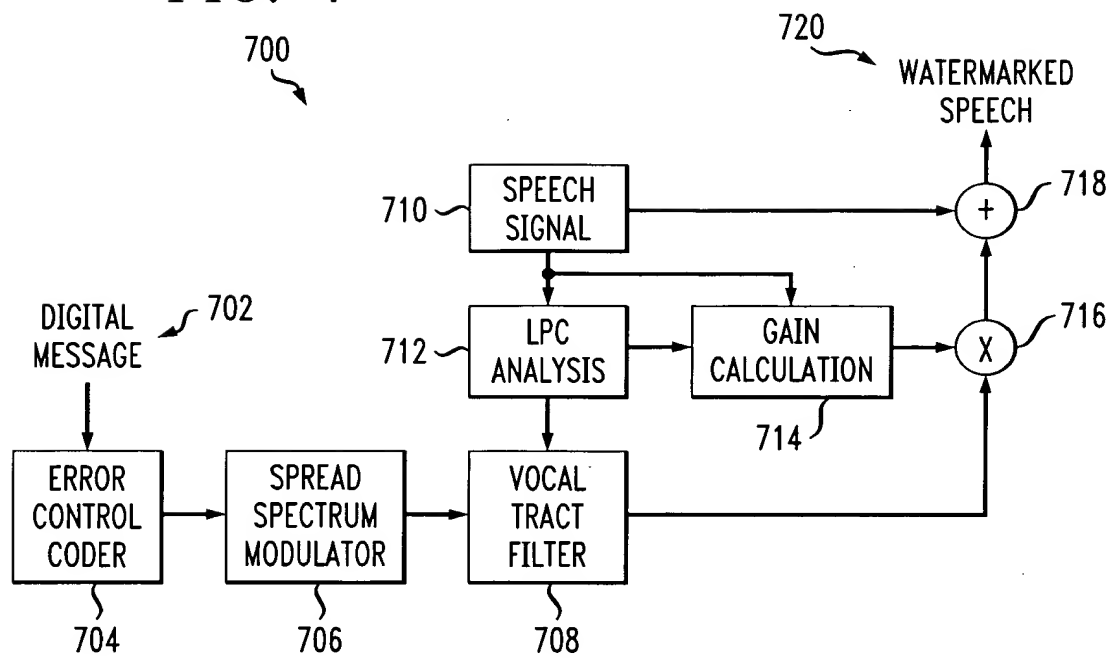


FIG. 8

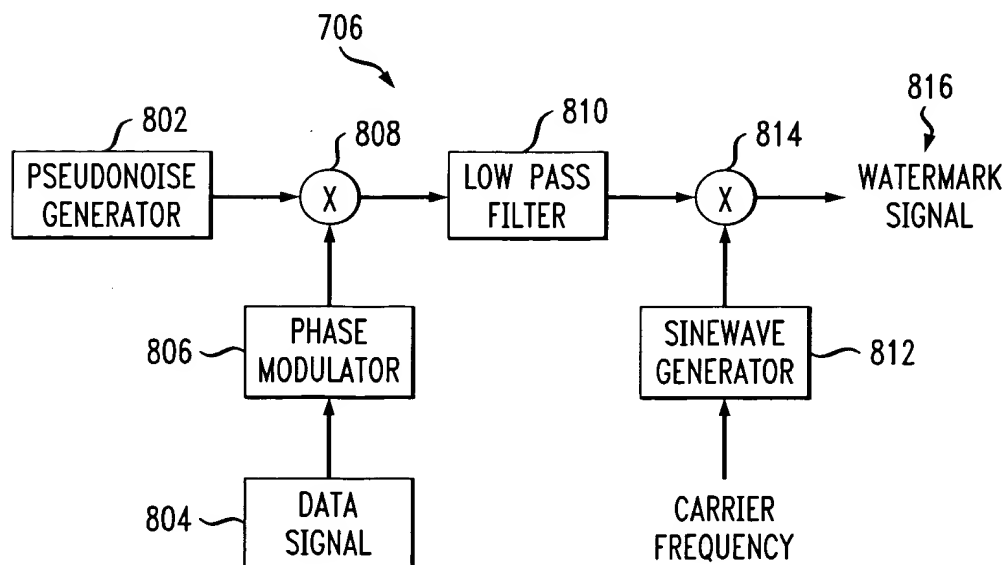


FIG. 9

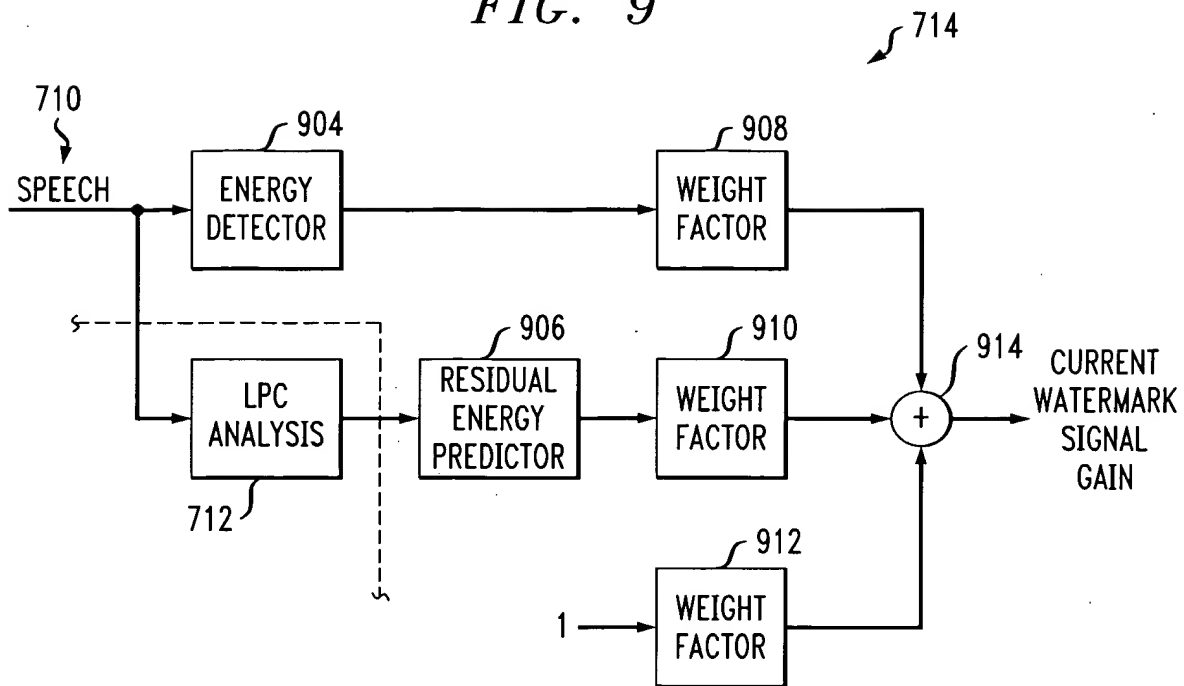


FIG. 10

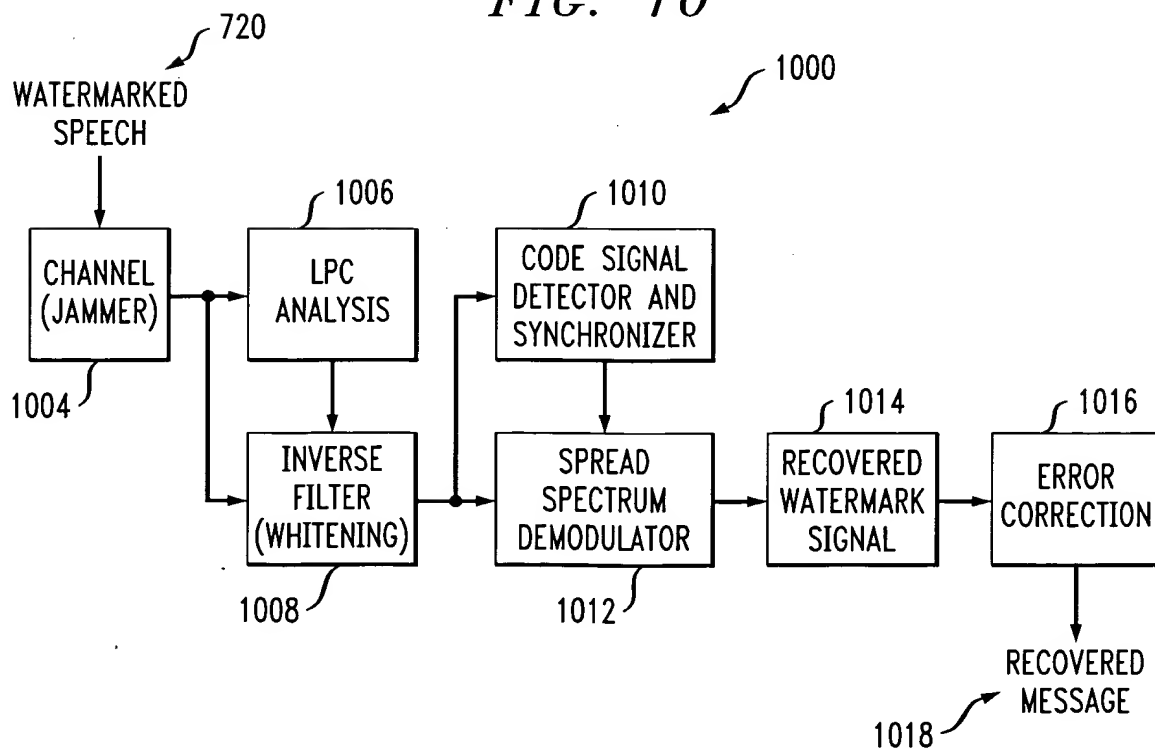


FIG. 11

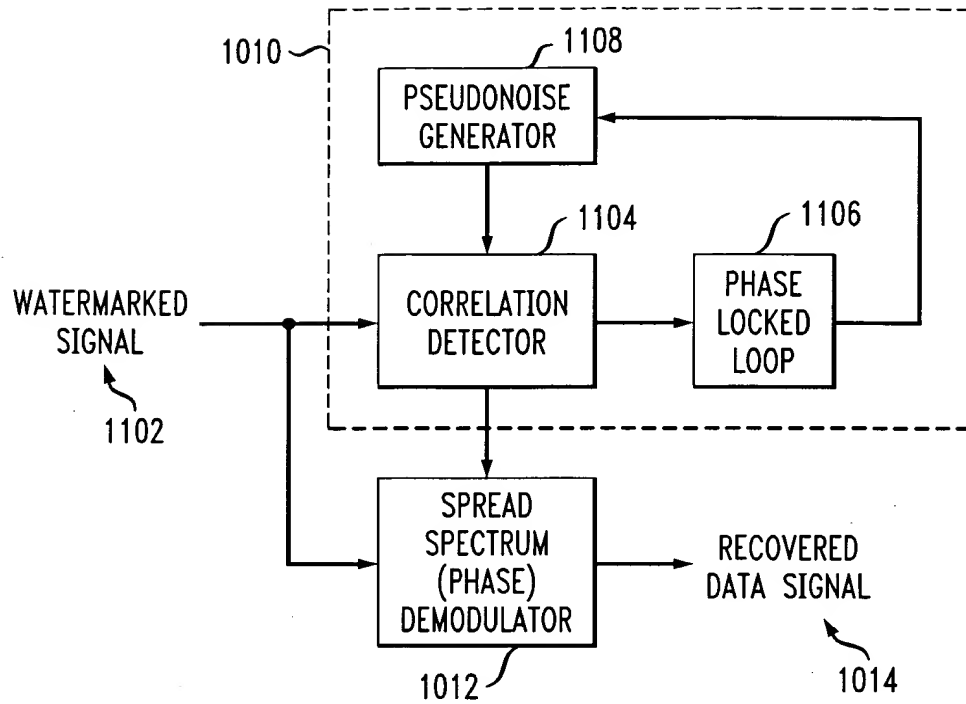


FIG. 12

